BRUHATH BANGALORE MAHANAGARA PALIKE, DASARAHALLI ZONE

Office of the Executive Engineer Dasarahalli Division,

SCHEDULE-B

Name of Work: Drilling of 7 no's Bore well & Fixing of pump motor and necessary accessories at Ravindra Nagara, Kalyananagara, Mallasandra Colony, BHEL Mini Colony, Prashanthnagara Different Locations, in Ward No.13 in Shettyhalli Sub Division.

Sl. No	Description of work	Unit	Qty	Sanctioned Estimate Rates	
				In Figures	In Words (Rs.)
1	2	3	4	5	6
1	Geophysical investigation of site for sinking borewell for supplying drinking water to the habitation either through the hand pump, MWS or P.W.S.S. by vertical electrical sounding by adopting venner or schlumbergers's method, including reconnaissance survey of geological formation, Geological investigation of existing ground water in vicinity, its quality, quantity & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 mtr in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, engaging technical personal and labour required etc,. Complete as per Specification.	Sqm	7.00	1938.46	Rupees One Thousand Nine Hundred Thirty Eight and Forty Six Paise Only
2	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc.,Complete as per Specification.				
a	0.00 to 50.00 Mtr.	Mtr	350.00	315.18	Rupees Three Hundred Fifteen and Eighteen Paise Only
b	50.00 to 100.00 Mtr.	Mtr	350.00	412.00	Rupees Four Hundred Twelve Only
c	100.00 to 150.00 Mtr.	Mtr	350.00	458.35	Rupees Four Hundred Fifty Eight and Thirty Five Paise Only
d	150.00 to 200.00 Mtr.	Mtr	350.00	484.10	Rupees Four Hundred Eighty Four and Ten Paise Only

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Technical Manager (TM-2)
KRIDL, Dasarahalli Zone, Bangalore

Executive Engineer

2	3	4	5	6
200.00 to 250.00 Mtr.	Mtr	350.00	560.32	Rupees Five Hundred Sixty and Thirty Two Paise Only
250.00 to 350.00 Mtr.	Mtr	490.00	600.49	Rupees Six Hundred and Forty Nine Paise Only
Supplying of ISI Mark 175 mm nominal bore medium black ERW casing pipe of 5mm thick black electric resistance continous welded midle steel tube material confirming to IS 1387/!993 and manufactured from hot rolled steel skelp/stripes in random length of 4 to 7 mtr both ends threaded confirming to IS 554/1985 one end Complete as per specification	Mtr	525.00	1364.75	Rupees One Thousand Three Hundred Sixty Four and Seventy Five Paise Only
Providing and fixing 250mm dia PVC 6 kg/sqcm pressure pipe including jointing and labur charges for laying pipes Complete as per Specification.	Each	126.00	1133.00	Rupees One Thousand One Hundred Thirty Three Only
175 mm dia M.S. Casing cap Complete as per Specification.	Each	7.00	100.00	Rupees One Hundred Only
M.S. Casing pipe collars 'C' Class Complete as per Specification.	Each	378.00	150.00	Rupees One Hundred Fifty Only
Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 15.000 HP 35 stage Complete as per Specification.	set	7.00	71265.25	Rupees Seventy One Thousand Two Hundred Sixty Five and Twenty Five Paise Only
Providing, GI pipes confirming to IS specification of approved make with fittings such as collars bends elbows tees nipples plugs with cuts threads using white lead & threads for joints wherever necessary as per direction including all lead & lift etc,. complete 'A' grade(excluding cost of fittings)b50mm dia GI pipe Complete as per Specification.	Rmtr	2240.00	321.00	Rupees Three Hundred Twenty One Only
Providing & fixing socket GI (heavy duty collar) Complete as per Specification.	No	385.00	84.80	Rupees Eighty Four and Eighty Paise Only

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KRIDL Basaveshwara Nagar, Bangalore

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1	2	3	4	5	6
10	Supplying and drawing 3 core PVC Sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS: 8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 volts 4 sqmm of 56 strands 0.3mm dia Complete as per Specification.	Mtr	4130.00	164.29	Rupees One Hundred Sixty Four and Twenty Eight Paise Only
11	Supplying & delivery at site brand new / Essen / Lotus sunsines/Adarsh/ Gk controls best indigenous make combine energy meter-cum-control panel board unit of size 1200 x 600 x 300 mm minimum mechanically strong and vermin and water proof the unit shall have two detachable doors suitable for operation on 3ph, 50Hz, 380/440 volts, AC supply with spring loaded latch locking with a key ribs should be provided inside the door , canopy apron and louvers ventilators shall be provided the combine energy mtr cum control panel board unit suitable for operation on 3ph, 50Hz, 380/440 AC supply shall be consisted etc,. completed T panel board shall be fabricated on single unit in the above components panel board for suitable pumpset above components panel board for suitable pumpset above 6.50 HP to 15.00 HP with star delta starter	no	7.00	10000.00	Rupees Ten Thousand Only
12	Fabricating supplying and mounting MS box of 16 SWG suitable for floor / wall mounting, fully weather proof with provision for better hear description, (providing with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primes paint and finally finished with approved colour enamelled metal paint etc,. complete box of 21600 sq cm Complete as per Specification.	Sqm Cm	163100.00	0.34	Thirty Three Paise Only
13	Providing & Fixing of clamps set and borewell cap to the pump .	No's	7.00	450.00	Rupees Four Hundred Fifty Only
14	Supplying & delivery of brand new best make non return valve of size 50mm as per IS: 778/84 with latest amendments with ISI mark (50mm Gate wheel Valve.) Complete as per Specification.	No's	21.00	1600.00	Rupees One Thousand Six Hundred Only
15	Supplying and delivery of brand new best make Gate Valve of size 50mm as per IS: 778/84 with latest amendments with ISI mark . 50mm Gate Valve for distributer pipeline. 50mm dia Complete as per Specification.	No's	21.00	1145.00	Rupees One Thousand One Hundred Forty Five Only
16	Providing and fixing of 50mm GI bend to motor Complete as per Specification.	No's	21.00	219.00	Rupees Two Hundred Nineteen Only
17	Providing and fixing of 50mm GI Nipple to motor Complete as per Specification.	No's	21.00	104.30	Rupees One Hundred Four and Thirty Paise Only

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KSDL, Dasarahalli Zone, Bangalore

1	2	3	4	5	6
18	Providing and fixing of 50mm GI union to the motor Complete as per Specification.	No's	21.00	223.70	Rupees Two Hundred Twenty Three and Seventy Paise Only
19	Labour charges for erection of new /repaired submersible pumpset along with GI pipes (32/50mm) cable (new submersible pumpset if required will be supplied by the department free of cost and released pump set should be handed over to department) including transportation (each length = 6.00m) Complete as per Specification.	No's	364.00	90.64	Rupees Ninety and Sixty Four Paise Only
20	Erection of combined panel board meter board with all necessary materials and labour including providing CC 1:3:6 foundation bed etc,. Complete for basement out door type. Complete as per Specification.	No's	7.00	475.00	Rupees Four Hundred Seventy Five Only
21	Supplying and fixing miniature circuit breakers/isolators in existing MCB distribution boards using necessary fixing materials and wiring complete as required, 40 to 63 Amps DP Complete as per Specification.	No's	7.00	906.40	Rupees Nine Hundred Six and Forty Paise Only
22	Supplying and laying of L.T.U.G Cable having aluminiumconductor PVC insulated shethed galvanised steel wire/ steel tape armoured cable with PVC outer sheathing 1.1 KV class 4 core 16 sqmm cable (confirming to IS 1554) Complete as per Specification.	Mtr	210.00	169.95	Rupees One Hundred Sixty Nine and Ninety Five Paise Only
23	Digging of trenches of 0.6mm x 0.50 Mtrs wide refilling the trench to the required ground level and consolidating etc,. Complete sutting road surfaces Complete as per Specification.	Mtr	210.00	56.65	Rupees Fifty Six and Sixty Five Paise Only
24	Supplying and fixing Class-A GI Pipe on pole/ wall/drain crossing with necessary clamping arrangements for UG Cable of 1.1 KV class 40mm Complete as per Specification.	Mtr	21.00	294.58	Rupees Two Hundred Ninety Four and Fifty Eight Paise Only
25	Supplying and fixing wiring earth electrode for grounding conduits, IC cutouts and other equipments on the meter board using 40mm dia 2.90 mm thick GI pipe 2.5 mtr long buried in a pit,/ the pit should be filled with equal proportion of salt and charocal 150 mm alround the pipe to complete depth the connections from the pipe to the conduit etc,. is to be established though GI wire of size as per ISI specification 7.3.3 of ISI 732 using 12mm dia boalts, nuts washers and checknuts etc,. the pipe shall have 16 through holes of 122mm dia Complete as per Specification.	No's	7.00	1699.50	Rupees One Thousand Six Hundred Ninety Nine and Fifty Paise Only
26	Supply and fixing LT cast iron pot heads suitable for 1.1 KV class 16 sqmmUG cable filled with necessary bitumen/ insulating compound complete with terminals, clamps, bolts nuts and washers etc, Complete as per Specification.	No's	7.00	271.92	Rupees Two Hundred Seventy One and Ninety Two Paise Only

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1	2	3	4	5	6
27	Supplying shunt capacitor's confirming to IS 2834, 3 phase 400/440 volts grade for power factor improvement of roating machinery capacitor in KVAR rating No's. Complete as per Specification.	No's	7.00	1350.00	Rupees One Thousand Three Hundred Fifty Only
28	Providing and fixing Gun Metal Gate wheel valve confirming to IS specification of approved make as per direction including all lead and lift etc,. Complete. 50mm dia Complete as per Specification.	No's	21.00	1515.80	Rupees One Thousand Five Hundred Fifteen and Eighty Paise Only
29	Supplying and fixing of polished wood board made of not less than 15mm thick plank on both sides with planks made out on not more than 2 pieces and fixing the same to wall using tapered inverted wooden plugs screws etc., Size 20 x 20 x 2.5 inches Complete as per Specification.	No's	7.00	311.58	Rupees Three Hundred Eleven and Fifty Seven Paise Only
30	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods Complete as per Specification.	Cum	128.52	173.84	Rupees One Hundred Seventy Three and Eighty Four Paise Only
31	Providing and installing at site of work 63mm (0.662) PVC Pipes of 6 kg / cm2 including cost of pipes and specials and labour,. including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15cms with gravel or selected earth available from the excavation etc., Complete as per Specification.	Mtr	230.00	110.24	Rupees One Hundred Ten and Twenty Four Paise Only
32	Providing and installation at site of work 20mm GI pipes including cost of pipes and specials and labur incluidng lowering into trenches, laying ture to line, complete as per direction of Engineer in charge for public taps for motors/pipeline Complete as per Specification.	Mtr	300.00	193.98	Rupees One Hundred Ninety Three and Ninety Eight Paise Only
33	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour Complete as per Specification.	cum	94.50	59.36	Rupees Fifty Nine and Thirty Six Paise Only

Note: The said work for sanctioned estimate cost Rs.7.00 Lakhs (Rupees Seven Lakhs Only) (Incl.10%+1%KRIDL Charges + 1% Quality control tests Charges) based On "Approved SR Rates"

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Technical Manager(TM-2)
KRIDL, Da... ...ore, Banga'ore

Executive Engineer,
Dasarahalli Division,